



**Amendments to the Specification:**

Please amend page 10, lines 26-29 as follows:

"Evident from a study of Fig. 10 are the wider ranges of liquid and gas linear velocity observed within the reactor (e.g., providing superficial liquid velocities in the range from below 0.05 to about 0.35 m/s and superficial gas velocities from below 0.025 to above 0.25 m/s), these ranges being the result of the new degree of freedom available through the application of the additional mechanical liquid driving force."

Please amend page 13, lines 15-22 as follows:

"The higher efficiency and improved mass transfer performance of the monolith loop reactors over the competitive designs characterized in Fig. 11 are evident. Thus, over most of the useful range of input power shown (e.g. from below 100 to in excess of 10,000 W/m<sup>3</sup> of liquid volume), monolith loop reactors provide significantly higher mass transfer rates (e.g., phase mass transfer coefficients  $k_L a$  of from at least 0.1 to in excess of 2 per second) at lower energy inputs than any of the other designs provide."